

Product datasheet for **SC122447**

KIF6 (BC022074) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	KIF6 (BC022074) Human Untagged Clone
Tag:	Tag Free
Symbol:	KIF6
Synonyms:	C6orf102; dj137F1.4; dj188D3.1; dj1043E3.1; DKFZp451I2418; kinesin family member 6; MGC33317; OTTHUMP00000016349; OTTHUMP00000039712
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC022074 edited

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AGCGGAGCTGGAAGAGCCTGGGGCCACCTGTCTGGTCAGAGTCTCTCTGCTGTGGGCCTC
TTGGAGCCAGGGCTGGTTTTGTGGTCTGACTGAAGTGACAATGAAATTAATAGGATCCTG
ATGCTGTGACTGAGGCCATTTCCCTGTGTCTCCAACAGGAATGAGAGAGGAAATGTCAT
TAGGATGCCAGGAGGCTTTTGAATCTTCAAGAGGGACCAGCTGACAGCGTTACCATCG
ATGACAACAAACAGATTCTGAAACAGAGATTTTCTGAAGCCAAGGCCCTGGGAGAAAGTA
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AGCAAGTAGCCCTAGGAATCTCGGAAAACATGGCCGTGCCTCTGATGCCAGACCAGCAGG
AGGAGAAGCTGCGATCACAACCTGGAGGAAGAAAAGAGAAGGTATAAAAACAATGTTCACTC
GCCTGAAAGCCCTGAAGGTGGAGATCGAGCACTTGCAGCTGCTCATGGACAAAGCCAAGG
TGAAGCTACAGAAAGAGTTTGAAGTCTGGTGGCAGAGGAGGCCACGAACCTGCAGGTA
ATTCTCCAGCAGTGAATTCACCTCGATCACACGAAGCCATTTCTCCAGACATCTGACTCCC
AGCATGAATGGTCCCACTCCTCTTAACAAAAGTTCTGGAGGCTGGGAAGTCCAAGATC
AAGGCACTGGCAGATTGATGTCTGTGATGTGAATGCCAGGAAAATCCTGCCCTCGCCTT
GCCCCAGTCCACAGCCAGAAAACAGAGCAGCACCAGCACCCTGGAAGACAGCATCC
CCAAGAGGCCAGTGTCTGTCATCCCTCTCACCGGAGACAGCCAGACGGACTCGGACATCA
TCGCCTTCATCAAGGCCAGACAGAGCATTCTGCAGAAGCAATGTTTGGGAAGCAATTGAA
TTTCCAGGAAATATCCATCCATGAATTATGCCAGCAAGAAATGAAGCACAGATGAAGGCAG
CGCCCCCTCACTTGCTCTGGCTTCAAGTGAATATGGGCTGCTGGGAGCAACTAGTGAC
TTTGATTTCCATGGAGGGGACTGTGTTTCTTAAAGGATGCTGACCTGGAGGCCACCGAGA
GGCTGGGGCTGGGGCTGACCACAACATCCTTCTGTGGTTGCTGGAGCTGCTGGCAGGGC
CAGGCAAGGCCAGAGTGCTAGGGGCAGGGTGAAGGCTTCAGCTCACTGTTGTAGTGACGT
TTTGTGTAGATCTTTATAAGCTTTTGAAGTGTGAAATAGCACCATCAAAATATAATGTC
AGAGGATGCTCACACCAAAAAAAAAAAAAAAAAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for BC022074 unedited GACTTAGTTGTA AACCACTCCTATAGGCCGGCCGAATACACTTCTATAGCATACATTATAC TAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTCGAGAGCGGAGCTGGAAGA GCCTGGGGCCACCTGTCTGGTCAGAGTCTCTCTGCTGTGGGCCTCTTGGAGCCAGGGCTG GTTTTGTGGTCTGACTGAAGTGACAATGAAATTAATAGGATCCTGATGCTGTGACTGAGG CCATTTCCCTGTGTCTCCAAACAGGAATGAGAGAGGAAATGTCATTAGGATGCCAGGAGG CTTTTGAATCTTCAAGAGGGACCACGCTGACAGCGTTACCATCGATGACAACAACAGAGA TTCTGAAACAGAGATTTTCTGAAGCCAAGGCCCTGGGAGAAAGTATAAATGAAGCAAGAA GTAAAATTGGTCACTGAAGGAAGAAATCACCCAGCGGCATATACAGCAAGTAGCCCTAG GAATCTCGGAAAACATGGCCGTGCCTCTGATGCCAGACCAGCAGGAGGAGAAGCTGCGAT CACAACCTGGAGGAAGAAAAGAGAAGGTATAAAACAATGTTCACTCGCCTGAAAGCCCTGA ATGTGGAGATCGAGCACTTGACGCTGCTCATGGACAAAGCCAAGGTGAAGCTACAGAAAG AGTTTGAAGTCTGGTGGCAGAGGATGCCACGAACCTGCAGGTAATTCTCCAGCAGTGA ATTCACCTCGATCACACGAAGCCATTTCTCCAGACATCTGACTCCCAGCATGAATGGTCCC AACTCCTCTTAACAAAGTTCTGGNAGCTGGGAAGTCCAAGATCAAGGCACTGGCAGATT CGATGTCTGTGATGTGAATGCCAGAAAATNCNNTGCCTCGCTTGCCCCAGTCACACAGCC AGAACAGAGCAGCACCAGCACCCACTGGATGACAGCATCCAGAGG
Restriction Sites:	Please inquire
ACCN:	BC022074
Insert Size:	1352 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC022074.1, AAH22074.1</u>
RefSeq Size:	1352 bp
Locus ID:	221458
Cytogenetics:	6p21.2
Protein Families:	Druggable Genome

Gene Summary:

This gene encodes a member of a family of molecular motors which are involved in intracellular transport of protein complexes, membrane organelles, and messenger ribonucleic acid along microtubules. Kinesins function as homodimeric molecules with two N-terminal head domains that move along microtubules and two C-terminal tail domains that interact with the transported cargo, either directly or indirectly, through adapter molecules. This gene is ubiquitously expressed in coronary arteries and other vascular tissue. A naturally occurring mutation in this gene is associated with coronary heart disease. [provided by RefSeq, May 2017]